

XP-002073923

1/1 - (C) WPI / DERWENT
AN - 97-241649 ç22!
AP - JP950239831 950919
PR - JP950239831 950919
TI - Compsn. of vitamin B group granules - comprises vitamin=B group compound having solubility in water, mannitol and corn starch, used in food, medicine and fodder
IW - COMPOSITION VITAMIN GROUP GRANULE COMPRISE GROUP COMPOUND SOLUBLE WATER MANNITOL CORN STARCH FOOD MEDICINE FODDER
PA - (TAKE) TAKEDA CHEM IND LTD
PN - JP9077669 A 970325 DW9722 A61K31/525 008pp
ORD - 1997-03-25
IC - A61K9/14 ; A61K9/16 ; A61K31/44 ; A61K31/51 ; A61K31/525 ; A61K47/10 ; A61K47/26
FS - CPI
DC - B05 D13 E19
AB - J09077669 Compsn. comprises vitamin B group cpd. having solubility in water of up to 5 %, mannitol, and corn starch.
- The vitamin B group cpd. having solubility in water of up to 5 % comprises folic acid or vitamin B2. The corn starch comprises beta-type corn starch. The compsn. prepd. as follows. Beta-type corn starch is suspended in mannitol aq. soln., then vitamin B group cpd. having solubility in water of up to 5 % is suspended. The suspension is spray-dried. The compsn. coated with wax or oil-fat.
- USE/ADVANTAGE - The compsn. is used for prepn. of powder agent, granule agent, capsulated agent, tablet agent, and pellets, for food, medicine, and fodder. The compsn. is more stable than conventional material for which lactose, or dextrin is used as shaping agent. Amt. of shaping agent of mannitol or corn starch can be reduced. Mixing work and weighing work in prepn. of the compsn. can be saved. Granules of the compsn. are useful for mixing slight amt. of vitamin B group cpd.
- In an example, 73 g of mannitol (supplied by Towa Kasei KK) was dissolved in 1000 ml of distilled water. 20 g of corn starch (supplied by Nippon Corn Starch KK), then 500 g of folic acid (supplied by Takeda Yakuhin Kogyo KK) were uniformly dispersed in the soln. with a homomixer. Holding uniformity of the folic acid suspension with stirring; the suspension was spray-dried at 180 deg. C, using Mobil minor type spray drier (disc rpm = 10,000). Yellow colour powder of the compsn. was obtd.(Dwg.0/0)